

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
21 July 2005 (21.07.2005)

PCT

(10) International Publication Number  
**WO 2005/066810 A3**

(51) International Patent Classification<sup>7</sup>: **G06F 11/10**

(21) International Application Number:  
PCT/US2004/043370

(22) International Filing Date:  
24 December 2004 (24.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
10/750,282 31 December 2003 (31.12.2003) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

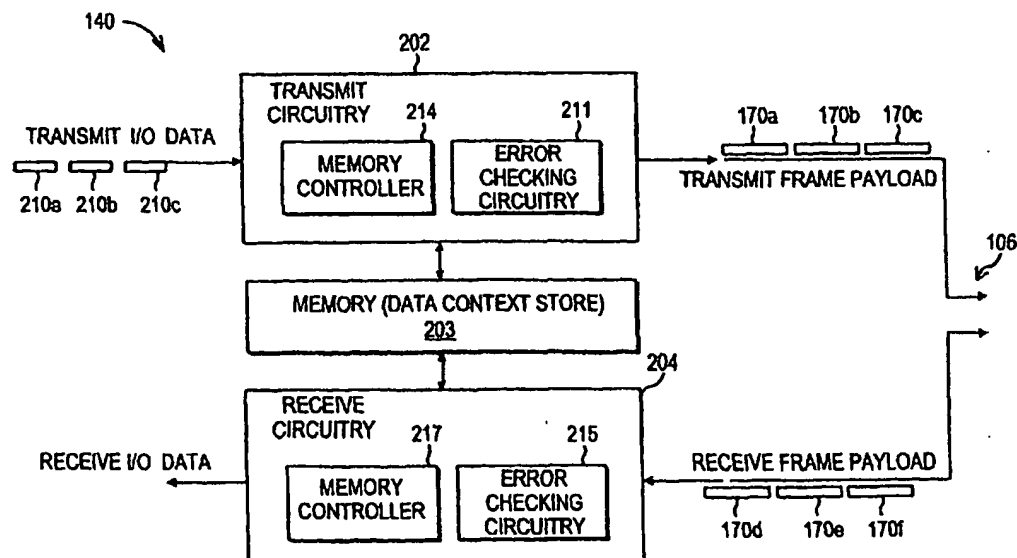
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
6 October 2005

[Continued on next page]

(54) Title: COMMUNICATING USING A PARTIAL BLOCK IN A FRAME



(57) Abstract: A method according to one embodiment may include: at least one of transmitting and receiving a first portion of a first protected data block within a first frame; and at least one of transmitting and receiving a second portion of the first protected data block within a second frame. Of course, many alternatives, variations, and modifications are possible without departing from this embodiment.



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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/043370

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G06F11/10

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 647 528 B1 (COLLETTE WILLIAM C ET AL) 11 November 2003 (2003-11-11) abstract; figures 9,10 column 6, line 10 - column 9, line 47	1-19, 22-28
Y	-----	20,21
X	US 2001/049808 A1 (BROWN DAVID A) 6 December 2001 (2001-12-06) figures 3,4 paragraphs '0009! - '0012! paragraphs '0039!, '0043! - '0045!, '0050!, '0051!, '0057! - '0060! ----- -/--	1-19, 22-28

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

7 July 2005

Date of mailing of the international search report

10.08.2005

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/043370

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>KUMAR MALAVALLI: "Fibre Channel Classes of Service for Data Transport" 1997, BROCADE COMMUNICATIONS SYSTEMS, INCORPORATED, INTERNET, XP002335139 Retrieved from the Internet: URL: <a href="http://www.brocadehongkong.com/download/resource/ClassofService.pdf">http://www.brocadehongkong.com/download/resource/ClassofService.pdf</a> 'retrieved on 2005-07-07! figure 5a</p>	20,21

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2004/043370

### Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-19,22-28

Saving an offset value representative of a last data bit of said first portion of said first protected data block; and continuing, based at least in part upon said offset value and said intermediate error checking result, with an error checking calculation.

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2. claims: 20-21

At least one of said sequentially transmitted frames is received out of order; and analyzing a second protected data block of said at least one out of order frame for an error if said second protected data block starts concurrently with said at least one out of order frame.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/043370

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6647528	B1	11-11-2003	NONE
US 2001049808	A1	06-12-2001	US 6687803 B1 03-02-2004
			US 2002002626 A1 03-01-2002
			US 2001048689 A1 06-12-2001
			US 2005089039 A1 28-04-2005